



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES

Young Neurosurgeons Pre-meeting

Skills and training courses: from Basics to Masters

Programme

**09th June 2023
08:00 - 12:00**

DISRUPTIVE TECHNOLOGIES. ADVANCED CRANIAL PLANNING AND ROBOTICS IN SPINE.

Directors

Christian Freyschlag and Felix Stengel

PROGRAMME

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| 1. Advanced cranial planning in tumor surgery. | Marlies Bauer, Christian Freyschlag |
| 2. Complex spine cases discussion. | Felix Stengel |
| 3. Robotics in spine. Hands-on. | Stefan Motov |

DESCRIPTION OF THE COURSE:

Planning in neurosurgery is rapidly evolving and innovative software tools allow the neurosurgeon to decide on the most precise access to approach the tumors or to design the most precise plan to perform spine surgery. There is a need and a growing interest in learning advanced planning by young generation of neurosurgeons.

Therefore, EANS YNC organize a hands-on training course on [advanced planning for neurooncologic surgery and spine surgery](#), limited to PGY 4-6 residents and young board certified surgeons.

The course will consist of practical exercises on 12 computer stations (2 participants/station) where every participant will have the opportunity to perform their own planning for the presented cases.

Furthermore, the trainees will participate on complex spine case-based discussion groups and will perform spine surgery in models by using a surgical robot. They will also have the chance to learn from an immersive augmented reality experience by using magic leaps on a virtual patient.

By the end of this course, participants will be expected to perform advanced cranial planning, understand the value of robotics and augmented reality, and gain knowledge about indications and decision-making on complex spine cases.

Target audience: PGY 4-6 residents and young neurosurgeons after finishing residency.





